CTTABLE OF MERCA INFORMATION DISCLOSURE

Shert

STATEMENT BY APPLICANT

of

PTO/SB/05A (10-01) Approved for use through 10/21/2002, OMB 0651-0051
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE = agion Act of 1995, no persons are required to rescond to a collection of information unless it contains a valid GMB control runtier

Complet If Kn wn 10/005,683

(use as many sheets as necessary)

Application Number Filing Date December 4, 2001 First Nemed Inventor RIGALI, Mark J Group Art Unit 1754 173 4 Examiner Name Unassigned Lockert 003248.00044 Attorney Docket Number

Exercises	Cite	Document Number	Publication Date	Nome of Patentine or Applicant of Cined Dogument	Proce Columns, Lines Where Release
initiate *	No.	Number - Kind Cods ² (Y known)	MM-00-YYYY	Cred Document	Penenges or Raisvard Planes Appear
11		US 8,083,502	May 18, 2000	Sue, et al.	
1-	_	US 5,845,781	July 8, 1997	Popuer, et el	
100		US 4.772,524	Sept. 20, 1986	Coblerg, William S	

		Foreign Petent Document		Name of Patentine or	Pages, Columns, Lines,	
Examiner Initials*	Cite No.	Country Code ² - Number ⁴ - Kind Code ⁴ (Fitnour)	Publication Date MSA-EO-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T*
10		WO 01/53059 A1	7/26/2001	Goretta, et el.		
		OTHER PRIOR ART - NON F	PATENT LITE	RATURE DOCUM	ENTS	
Examiner Infails	Cite No.	include name of the author (in CAPIT the item (book, magazine, journal, se number(s), publish	rial, symposium	title of the article (wh , catalog, etc.), date, country where publish	page(s), volume-issue	т,
1	<u> </u>	J.J. BRENNAN and K. M. PREWO, "Sill Exhibiting High Strength and Toughness," J.	con Cerbide Flb Moter, Sci., 17 23	re Reinforced Glass-C 71-83 (1992)	eramic Matrix Composites	
/		G. HILMAS, et al., "Fibrous Monoliths, Non- A195, 253-261 (1985)	Britia Frecture fo	on Powder-Processed I	Cenerics," Met. Sci. & Eng.	
		G.E. HILWAS, et al., "SiC and SigN ₆ Fibrose Produced by Concrusion," Vol. 51 Ceramic A	Monoliths Non- Processing Science	Bettle Fracture From P e and Technology, pp. 6	owder Processed Ceremics (09-14 (1993)	
1		H. KOCAMA, et el., "Silicon Carbida M Composites," J. Am Cerem Soc., 72 [4] 551	onofilement-Reinf -58 (1989)	orced Silicon Nitride	or Silicon Carbide Medic	
-1		D. KOVAR, et et , "Florous Monolithic Cerami	los" J. Am. Cerem	Soc, 93 (10) 2471-246	7 (1007)	
/		P.J. LAMICO, et el., "SICISIC Composite Cer				
(T.i. MAH, et al., "Recent Developments in Fit Soc. Bull., 66 [2] 354-05 (1987)				
7		K.M. PREWO, "Fiber-Reinforced Ceramics 68 [2] 395-400 (1989)	New Opportunitio	s for Composite Materia	is," Am Ceram Soc. Bull.,	
		K. M. PREWO and J.J. BRENNAN, "High-St. Mater. Sci., 15 453-58 (1980)	rength Silicon Car	bide Fibre-Remforced G	lass-Matrix Compostes," J	
カレ		J.R. STRIFE, et al., "Status of Continuous F. Ceners, Eng. Sci. Proc., 11 [7-8] 871-919 [19:	iber-Reinforced C 90)	eramic Matrix Composi	te Processing Technology,	

Examiner Signature 12 February 2/04 EXAMINER: Initial if reference considered, whether of not clattern is in conformance with MPEP 608. One line through citation if not in conformance and not considered, landaria copy of this form with next communication to applicant.

Applicant's unique obtains designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspip.gov or MPEP 401 64. *Enter Office that assued the document, by the two-letter code (MPO Standard ST 3), *For Japanese patient document, the indication of the year of the reign of the Emperor seust precede the serial number of the patient document.* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is etached.

Burste Nov Distance: This form is estimated to late 2.0 hours to complete. They set lever dispending upon the needs of the increased case. Any comments on the asserts of them, you are registed to complete in him to short due was fall and to like information concerv. U.S. related and Territorian Concervation Concerv. U.S. related and Territorian Concerv. U.S. related and Territorian Concervation Concerv. U.S. related and Territorian Concervation C

OIP	- 61	Under the Passare	ak Radi	uetion Act of 1995, no persons	U.S. Palent and Trad	PTOISBBEA (16.01) sproved for use through straticated. ONE 0851-0801 lemant Officer U.S. DEPARTMENT OF COMMERCE of internation using it combine a well QUES orient invites.	+
BC1 3 B	SUN	te for form 1448APT				Complete If Kn wn	
2	INT	ORMATION	DIS	SCLOSURE	Application Number	10/005,683	
Øs.		TEMENT D	VÃ	PPLICANT	Filing Date	December 4, 2001	
OTRAN	NO IA	(IEMENI D		FFLICAN	First Named Inventor	Mark J. Rigali	
					Group Art Unit	1754 1732	
	_	(use as many sh	sots a	s necessary)	Examiner Name	not assigned LinkerT	
	Sheet	1	of	1	Attorney Docket Number	003248 00044	

			U.S. PATENT		
Franciser	Ctt	Document Number	Publication Date	Name of Patentine or Applicant of Cred Document	Pages, Columns, Lines, Where Reviews
In Dale *	No.1	Number - Xind Code ² (Fknown)	WW-DD-YYYY		Pessages or Relevant Figures Appear
10		US-6,193,001 B1	02/27/2001	Eyre et et.	
-		US- 6,315,035 B1	11/13,2001	Yong et al.	
_		US-6,325,185 B1	12/04/2001	Eyré	
		US-6,381,873 B1	03/26/2002	Yong et al.	
12		US-6,451,442 B1	09/17/2002	Sue et al	Dr.
		US.			.,504
		US.			No.
		US-			NOVO 1
		US-			_ '07.
		US-			10 4
		US-			• • • • • •
		US-			.,,0
		US-			
	-	US-			
		US-			
		US-			
		us-			

Examiner Infads*	Cite No."	Foreign Patent Document Country Code ² - Number ³ - Knd Code ³ (#Anows)	Publication Date MM-SD-YYYY	Hame of Patentee or Applicant of Clad Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	7*
_						
						_

Examiner
Signature

At Luft for Date
Considered 2/09

EXAMMER: In tail of reference considered, whether or not dation is in conformance with MPEP 609. Draw line through citation of not in conformance and not considered, lackage capy of this form with next communication to applicant.

Applicant, which exists on experience number (options). Then from Contract ULEFO Panel Documents is procurated as procured panel for the Contract St. 1917, and the process of the second of the first process panel for the Contract St. 1917, and the process of the first process are second or the process of the Contract St. 1917, and the process of the Contract St. 1917, and the Contract St. 1917

Budden Hour Glatement That form is estimated to take 2.0 hours to complete. Then will vary depending upon the special of the individual cases. Any processing with a major of all the payage of the complete all the models by setting to County Liber Painter and Touthman. Once the complete all the models of the payage of the county Liber Painter and Touthman. Once 2011. The county Liber Painter and Touthman County

PTG/88/08A (10-01) Approved for use through 10/31/2002, ONB 0851-0231

	Linder the Paperwork Reduction Act of 1995, no per	U.S. Patent and Trad outs are required to respond to a collection	temain Office U.S. DEPARTMENT OF COMMERCE of information unless a contains a walld OMB control number
1	Substitute for form 1449APTO		Complete if Known
	INFORMATION DISCLOSURE	Application Number	10/005,683
	STATEMENT BY APPLICANT	Filing Date	December 4, 2001
	STATEMENT BY AFFEICANT	First Named Inventor	Muligonatal Ringli
		Group Art Unit	4754 / 732
	(use as many sheets as necessary)	Exeminar Name	THA Lockert
	Sheet 1 of 2	Attiviney Docket Number	03248.00044

			U.S. PATENT			j
Euriter	-	Document Namber	Publication Date	Name of Palestee or Applicant of Cried Document	Pages, Columns, Unes, Where Relevant	
Initials."	Crise No.	Number - Kind Code ² (FAnown)	MN-60-YYYY		Passeges or Relovant Flower Appear	
12		US-20020297384	09/12/02	Multigen et al.		
-		US-20020154741	10-24-02	Rigat et al		
$\overline{}$	_	US-5,053,092	10-01-91	Lacheron		
E	1	US-5,398,193	65-14-65	Deange6s		1
- 10%	*	US-5,588,997	12-31-96	Lysson et al		
10	1	US-5,079,157	10-21-1997	Millingn		
100	181	US-			APR 0 3 GROUP 1	·
3 17003	8				400	CIVEN
	27	US-			" N 0 2	
TRAUEAR	y -	U8-		1	GD-	₹ <i>00.</i> 7
TRADE		US-			4110115	-
		US-				20-
		US-			•	100
	-	US-				
		US-				
	1	US-				1
		US-				ı
		LIS-				Į.
		US-		1		Į.
		List-				1

		FOREIGN PA	TENT DOCU	MENTS		
Examiner City	Cite No.			Name of Paleotee or Applicant of Cited	Pages, Columns, Lines. Where Relevant Passacci or Relevant	
intee.	No.	Country Code ² - Number ⁴ - Kinst Code ² (FAnown)	NN-DD-AJAA Date	Dogwert	Figures Appear	T*
_	_					
						_
			-			
Examiner	\neg	1: 2 h x 6	Date Consid	and h	'ov	

EXAMINER: Initial if reference considered, whether or not challon is in conformance with MPEP 809. Draw line through challon if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique offetion designation number (optional) ² See Kinds Codes of USPTO Palent Documents of your uspig gaz or MPEP 901 04. Applicant's unique clation deeppration number (cytolous). See MINIS Cocco of USP10 Present posturous in Natural Security of Natural Present Pr

Burden Hour Statement: This bom is call myland to base 20 hours to comprise Time will vary depending upon the received the blackdard closes Any common of the sensor of the following the sensor of the sensor of the following the sensor of the following the sensor of the following the sensor of th

PTOXSB/188(10-01) +

Ander the Paparwork Reduction Act of 1995, no person	U.S. Patent and Trader are required to respond to a reflection of	nack Office: U.S. DEPARTMENT OF COMMERCE information unless it contains a valid CMB control number
a September for form 1448APTO	T	Complete if Known
	Application Number	10/005,693
INFORMATION DISCLOSURE	Filing Date	December 4, 2001
STATEMENT BY APPLICANT	First Named Inventor	Multigarretol- Rings.
	Group Art Unit	1754 / 7 12
(use as many sheats as necessary)	Examiner Name	IBA Lewhert

Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), Rike of the article (when appropriate), Site of the flam (book magazine, journal, sterial symposymum, catalog, etc.), date, page (s), volume-issue number(s), publisher, dry and/or country where published.	т*
or		PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).	
(PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).	
12-		PCT International Search Report mailed March 6, 2003, (PCT/US02/38680).	
		APP OF GROUP	Ce
	<u></u>	APR 0	3 200
		GAROUS	2003
			1700
	Τ		
			1
	+		

EXAMINER: Initial if reference considered, whether or not distion is in conformance with MPEP 609. Draw has through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

1 Unique clasion designation number (optional). 2 Applicant is to place a check mark hars if English language Translation is attached.

Signature

Burden Hour Subtreed: The isem is estimate to take 2.0 hours to complete. Time will vary depending user the medic of the intrinsic can be assessed of the pure resource to the second of the second of